



MEMO TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, HONOLULU DISTRICT
FORT SHAFTER, HAWAII 96858-5440

September 2, 2011

Regulatory Branch

File No. POH-2011-00228

Westley Chun
City and County of Honolulu
Department of Facility Maintenance
1000 Uluohia Street, Suite 215
Kapolei, Hawaii 96707

Regional General Permit Verification

Dear Mr. Chun:

This letter is to inform you that your application dated August 2, 2011 submitted on your behalf by your agent on September 1, 2011 for a Department of the Army permit to mechanically remove sand and sediment from the mouth of the Olehuwa Channel located at TMK: (1) 8-7-007 (LAT: 21.3811N, LONG: 158.1467W) near Nanakuli, County of Honolulu, Island of Oahu, Hawaii, in accordance with the attached drawings submitted with your request is hereby **approved**. This authorization shall be subject to the terms and conditions of Regional General Permit (RGP) 2011-001(attached), issued by this District on August 8, 2011.

Our verification of this RGP authorization is valid for 2 years from the date of this letter. If the authorized work has not been completed by that date, please contact us to discuss the status of your authorization. Failure to comply with all terms and conditions of this RGP verification invalidates this authorization and could result in a violation of Section 404 of the Clean Water Act and/or Section 10 of the 1899 Rivers and Harbors Act. Also, you must obtain all State and local permits that apply to this project.

Upon completing the authorized work, you must fill out and return the enclosed Compliance Certification. Thank you for your cooperation during the permit process. We are interested in your experience with our Regulatory Program and encourage you to complete a customer service survey form. This form is available at <http://per2.nwp.usace.army.mil/survey.html>.

Should you have any questions, please contact Mr. Robert Deroche of my staff at (808) 438-2039, by facsimile at (808) 438-4060, or by Email at robert.deroche2@usace.army.mil. Please refer to File No. POH-2011-00228 in all future correspondence regarding this project.

Sincerely,

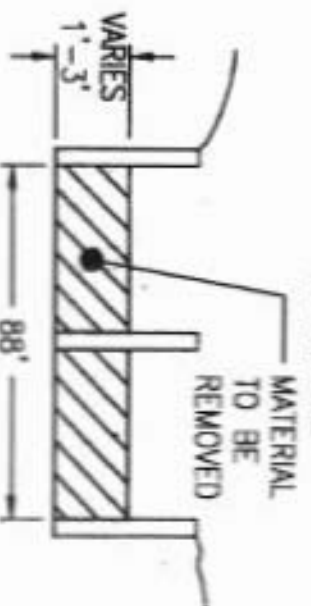
for
George P. Young, P.E.
Chief, Regulatory Branch

Enclosures

AREA TO BE DREDGED

LAT. 21°22'54" N

LON. 158°08'44" W



ULEHAWA CHANNEL OUTLET
MAINTENANCE DREDGING
EWA BEACH, OAHU

LENGTH: 570 FT.
WIDTH: 88 FT.

PURPOSE:
STREAM MAINTENANCE

ESTIMATED MATERIALS TO BE
REMOVED: 4,140 C.Y.

TMK: 8-7-007:001
STATE OF HAWAII

CLEANING FREQUENCY:
MONTHLY

CLEARING OPERATIONS:
DREDGE 4,140 C.Y. ± SAND
PLUG FROM STREAM MOUTH
USING A EXCAVATOR, HOPTOE,
AND 6 C.Y. TRUCK (DREDGED
SAND TO BE SPREAD OUT
ALONG BEACH ABOVE THE
MEAN HIGHER HIGH WATER
MARK).

STREAM TYPE: PERENNIAL

ADJACENT PROPERTY:
① TMK: 8-7-033:002
TANAKA, BAGA, & YAMASHIRO
② TMK: 8-7-033:001
STATE OF HAWAII

LIMITS: FARRINGTON HIGHWAY
TO LUALUALEI SHORELINE
(OCEAN)



Purpose:
Stream Maintenance
Datum: MSL
Adjacent Property
Owners: See Above.

Applicant
Reference:
POH-2011-
Location Address: n/a
TMK: 8-7-033:001

Proposed: Clearing Work
In: Ulehuwa Stream
Near/At: Ewa Beach
County: CCH State: HI
Sheet 1 of 11
Date: July 21, 2011

AECOM

FIGURE 1
ULEHAWA CHANNEL OUTLET
SITE MAP

City and County of Honolulu
Stream Maintenance
July 2011

EXISTING SHORELINE (VARIES)

U'LE'HAMA BEACH PARK

U'LE'HAMA CHANNEL

LUA'IALEI SHORELINE

APPROXIMATE MEAN HIGHER HIGH WATER (MHHW)

285'

88'

285'

88'

25,080 SF APPROXIMATE DEWATERING SITE. DREDGED SAND TO BE PLACED IN PILES. PILE DIMENSIONS: MAX 3 FT HIGH

25,080 SF APPROXIMATE DEWATERING SITE. DREDGED SAND TO BE PLACED IN PILES. PILE DIMENSIONS: MAX 3 FT HIGH

NOTES:

1. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES DETAILED ON FIGURE 9 THROUGHOUT PROJECT WORK TO CONTROL POTENTIAL POLLUTANTS FROM PROJECT WORK ENTERING THE ENVIRONMENT.
2. SEE FIGURE 8A FOR SECTION B-B.
3. MHHW DATUM OBTAINED AT THE HONOLULU TIDE STATION (STATION 1612340) FROM THE NATIONAL OCEAN SERVICE (NOMA).

- #25,080 SF APPROXIMATE Dewatering site
DREDGED SAND TO BE PLACED IN PILES
PILE DIMENSIONS: MAX 3 FT HIGH

APPROXIMATE
MEAN HIGHER
HIGH WATER (MHHW)

FILE DIMENSIONS: MAX 3 FT HIGH

NOTES:

2. SEE FIGURE 8A FOR SECTION B-B.

3. MHHW DATUM OBTAINED AT THE HONOLULU TIDE STATION (STATION 1612340) FROM THE NATIONAL OCEAN SERVICE (NOMA).

SITE PLAN
SCALE: 1" = 200'

SCALE: 1" = 200'

ULENAMA BEACH PARK

FARRINGTON HIGHWAY

ULENAMA CHANNEL

APPROXIMATE LIMITS OF DREDGING

DREDGED SAND DEMATERING SITES SEE PLAN AT TOP

LUALABA SHORELINE

LOCATION MAP
SCALE: 1" = 600'

SCALE: 1" = 600'

AECOM

Also TOWER, SUITE 1000 - 1101 BISHOP STREET, HONOLULU, HI 96813

ULEHAWA CHANNEL OUTLET

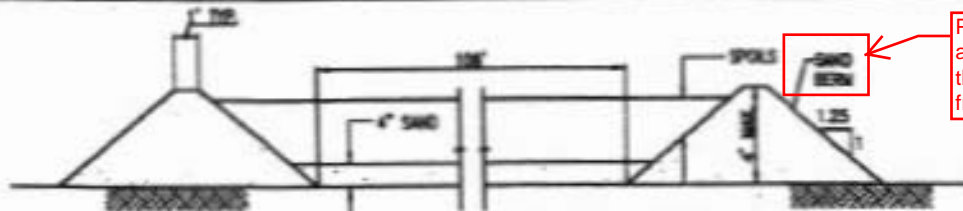
FIGURE 8

Applicant: City & County of Honolulu Dept. of Facility Maintenance
Proposed: Clearing/Dredging Work

Al: Uluhewa Channel, Ewa, Oahu

City and County of Honolulu
Stream Maintenance

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Please provide sand source and quality, the elevation of the MHHW, and its distance from the MHHW

WORK TASKS:

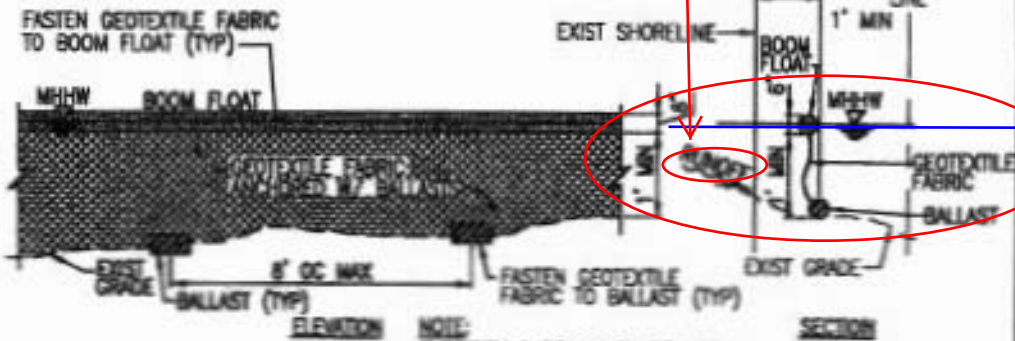
1. DREDGE PROJECT AREA IN HATCHED AREA SHOWN ON FIGURE 9. DREDGE STREAM MOUTH 1-2 FT. IN DEPTH. SEE DREDGING NOTES 1 THROUGH 5.
2. STOCKPILE SPOILS IN AREA DESIGNATED ON FIGURE 9. UNDESIRABLE DREDGE SPOILS SHALL BE DEWATERED IN STOCKPILE AREA AND HAULED TO THE NEAREST COUNTY LANDFILL FOR DISPOSAL IN ACCORDANCE WITH FEDERAL, STATE, AND COUNTY REGULATIONS. CONTRACTOR MUST SEEK PRIOR APPROVAL FROM LANDFILL AND DISPOSAL.
3. CLEAN SAND SHALL BE SPREAD ALONG THE ADJACENT BEACH AREA, ABOVE THE MHHW MARK.
4. CLEAN TURBIDITY BARRIERS SHALL BE INSPECTED AND PROPERLY MAINTAINED TO PROVIDE ADEQUATE SEDIMENT SETTLING. SEDIMENT SHALL BE REMOVED AT THE END OF MAINTENANCE (OR AS REQUIRED), DRIED, AND SHALL BE PROPERLY DISPOSED OF.

DREDGING NOTES:

1. THIS PROJECT CONSISTS OF MAINTENANCE DREDGING ONLY.
2. HYDRAULIC DREDGING IS NOT PERMITTED.
3. DREDGE LIMITS DELINEATED ON FIGURE 9 REPRESENT THE TOE OF THE DREDGE AREA.
4. SIDE SLOPES FROM TOES OF DREDGE AREA SHALL HAVE DESIGN SLOPE OF 5H:1V MAX, UNLESS OTHERWISE INDICATED. IF SEDIMENT SLUFFS INTO THE PROJECT AREA DUE TO ITS NATURAL ANGLE OF REPOSE, CONTRACTOR SHALL CONTINUE ITS NATURAL ANGLE OF REPOSE AND CONTINUE DREDGING UNTIL THE SIDE SLOPE HAS STABILIZED AND THE DESIGN DEPTH IS MAINTAINED AT PROJECT LIMITS.
5. IF REQUIRED, DREDGED SPOILS SHALL BE DEWATERED BY EVAPORATION. DREDGED SPOILS SHALL BE STOCKPILED IN DESIGNATED STOCKPILE AREA AND SURROUNDED BY A CONTAINMENT BERM. DREDGED SPOIL WATER SHALL NOT BE ALLOWED TO PERCOLATE OR OTHERWISE DRAIN INTO COASTAL WATERS. DREDGED MATERIAL SHALL NOT BE STOCKPILED IN THE WATER.

SPOILS CONTAINMENT DETAIL

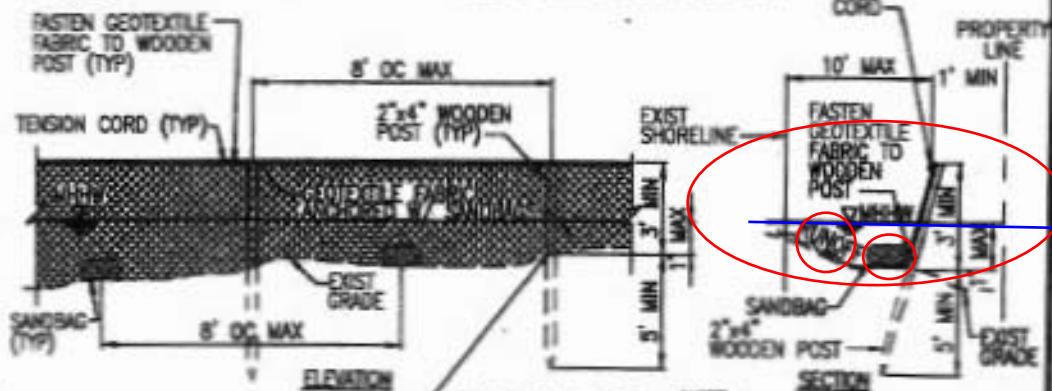
NOT TO SCALE



Runoff from dredged spoils dewatering site?

TURBIDITY BARRIER (TYPE 1)

NOT TO SCALE



TURBIDITY BARRIER (TYPE 2)

NOT TO SCALE

NOTE: TURBIDITY BARRIERS TO BE USED AS NEEDED. BALLASTS TO BE PLACED TO AVOID CORALS, IF ANY.

AECOM

888 TOWER, SUITE 1800 • 1001 BISHOP ST., HONOLULU, HAWAII 96813

Reference: POH-2011-_____
Applicant: City & County of Honolulu Dept. of Facility Maintenance
Proposed: Clearing/Dredging Work
At: Ulehawa Channel, Ewa, Oahu

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FIGURE 9 ULEHAWA CHANNEL OUTLET BMP/DEWATERING DETAILS

City and County of Honolulu
Stream Maintenance
July 2011

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